

(FILE 'HOME' ENTERED AT 08:04:11 ON 04 FEB 2003)

FILE 'SCISEARCH' ENTERED AT 08:04:17 ON 04 FEB 2003

L1 191 S ZUIDAM?/RAU  
L2 124 S L1 AND 1998/RPY  
L3 51 S L2 AND 1368/RVL  
L4 11 S L3 AND BARENHOLZ?/AU

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:08:05 ON 04 FEB 2003

L5 4920 S HYDROXYCOUMARIN  
L6 22 S L5 (9A) LIPID?  
L7 9 DUP REM L6 (13 DUPLICATES REMOVED)  
L8 0 S L5 (9A) SPHINGOLIPID  
L9 13 S L5 (9A) COVALENT?  
L10 5 DUP REM L9 (8 DUPLICATES REMOVED)

=>

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.42	0.42

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 09:57:13 ON 09 APR 2002  
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FILE COVERS 1907 - 9 Apr 2002 VOL 136 ISS 15  
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAPLUS files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

=> s (ph or potential) (7a) fluorophore#  
1106086 PH  
897179 POTENTIAL  
6041 FLUOROPHORE#  
L1 206 (PH OR POTENTIAL) (7A) FLUOROPHORE#

=> s l1 and (steroid or alkyl)  
89221 STEROID  
480688 ALKYL  
L2 4 L1 AND (STEROID OR ALKYL)

=> d 1-4 ti

L2 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS  
TI The effect of the dipalmitoylphosphatidylcholine lipid bilayer state on the adsorption of phenyltins

L2 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis and properties of long-wavelength BF2-dipyrrromethene fluorescent dyes.

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Voltage sensing by fluorescence resonance energy transfer in single cells

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Micellar electrokinetic capillary chromatography with in situ charged micelles: 5. Evaluation of background fluorophores for indirect fluorescence detection

=> d 2 bib ab

L2 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1999:542866 CAPLUS

TI Synthesis and properties of long-wavelength BF2-dipyrromethene fluorescent dyes.

AU Chen, Jiong; Burghart, Armin; Burgess, Kevin

CS Department of Chemistry, Texas A&M University, College Station, TX, 77842-3012, USA

SO Book of Abstracts, 218th ACS National Meeting, New Orleans, Aug. 22-26 (1999), ORGN-483 Publisher: American Chemical Society, Washington, D. C. CODEN: 67ZJA5

DT Conference; Meeting Abstract

LA English

AB A series of long-wavelength-emitting fluorescent dyes based on BF2-dipyrromethene fluorophore was synthesized. These dyes all have Ph substituents on 3,5-positions of the parent **fluorophore**, in addn., these Ph substituents are forced to be co-planar to the fluorophore by **alkyl** or heteroatom bridges between the 2,6-positions of the **fluorophore** and the 2'-positions of the Ph substituents. The consequence of this added rigidity is that these dyes absorb and emit at longer wavelength (>630nm), and have higher fluorescent intensities than the corresponding freely-rotating 3,5-diaryl substituted analogs. These dyes were used as components of an energy transfer system.

=> d 4 bib ab

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1995:557627 CAPLUS

DN 123:187374

TI Micellar electrokinetic capillary chromatography with in situ charged micelles: 5. Evaluation of background fluorophores for indirect fluorescence detection

AU Smith, Joel T.; El Rassi, Ziad

CS Department of Chemistry, Oklahoma State University, Stillwater, OK, 74078-0447, USA

SO J. Capillary Electrophor. (1994), 1(2), 136-43  
CODEN: JCELF3; ISSN: 1079-5383

DT Journal

LA English

AB Three different background fluorophores were evaluated in indirect fluorescence detection in micellar electrokinetic capillary chromatog. (MECC) with in situ charged micellar phases. The three fluorophores were quinine sulfate (QS), 8-anilinonaphthalene-1-sulfonic acid (1,8-ANS) and N-phenyl-1-naphthylamine (PNA), and the in situ charged micellar phase was based on the complexation of decanoyl-N-methylglucamide (MEGA 10) and borate. The PNA fluorophore, which was the most hydrophobic species, partitioned strongly in the micelle and therefore yielded the best results as far as the detection sensitivity was concerned. In an expt. involving fluorescence measurements in the presence and absence of the micelle, the fluorescence of PNA was 125-fold greater in the presence of the micelle, and the Stokes shift was 75 nm. Studies directed toward the detection

mechanism revealed that the redn. in the intensity of the background signal (i.e., intensity of the neg. peak of the solute) was primarily the result of quenching of the PNA by the analyte in the micelle's core. The extent of the displacement of the background fluorophore was rather negligible except for solutes possessing capacity factors approaching that of PNA. Since the magnitude of quenching increases with the capacity factor of the solute, the height of the obsd. neg. peak increased linearly with the logarithmic capacity factors of the **alkyl** Ph ketone homologous solutes. The linear dynamic range of the detection system extended over a concn. range of one order of magnitude.

=> s dioleoyl and fluorescen?

1266 DIOLEOYL  
315963 FLUORESCEN?

L3 214 DIOLEOYL AND FLUORESCEN?

=> s l3 and (ph or potential)

1106086 PH  
897179 POTENTIAL

L4 41 L3 AND (PH OR POTENTIAL)

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 41 DUP REM L4 (0 DUPLICATES REMOVED)

=> d 1-41 ti

L5 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Liposome-mediated DNA vaccination: the effect of vesicle composition

L5 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Reconstitution of membrane proteins into giant unilamellar vesicles via peptide-induced fusion

L5 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Influence of cationic lipids on the stability and membrane properties of paclitaxel-containing liposomes

L5 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Stability of PEI-DNA and DOTAP-DNA complexes: effect of alkaline **pH**, heparin and serum

L5 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Membrane fusion by an RGD-containing sequence from the core protein VP3 of hepatitis A virus and the RGA-analogue: implications for viral infection

L5 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI **pH**-Controlled DNA Condensation in the Presence of Dodecyldimethylamine Oxide

L5 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Effect of phospholipid composition on an amphipathic peptide-mediated pore formation in bilayer vesicles

L5 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI biodegradable **pH** sensitive surfactants in liposome-mediated nucleic acid cellular uptake and distribution

L5 ANSWER 9 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI Adeno-associated virus mediated gene transfer into primary rat brain neuronal and glial cultures: enhancement with the **pH**-sensitive

surfactant dodecyl 2-(1'-imidazolyl) propionate

- L5 ANSWER 10 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Ca<sup>2+</sup>-induced fusion of sulfatide-containing phosphatidylethanolamine small unilamellar vesicles
- L5 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Hydration and stability of sulfatide-containing phosphatidylethanolamine small unilamellar vesicles
- L5 ANSWER 12 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Elastase activated liposomal delivery to nucleated cells
- L5 ANSWER 13 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Hydration of lipoplexes commonly used in gene delivery: follow-up by laurdan **fluorescence** changes and quantification by differential scanning calorimetry
- L5 ANSWER 14 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI **pH**-induced destabilization of lipid bilayers by a peptide from the VP3 protein of the capsid of hepatitis A virus
- L5 ANSWER 15 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Characterization of lipid DNA interactions. I. Destabilization of bound lipids and DNA dissociation
- L5 ANSWER 16 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI The stabilizing effect of sulfoquinovosyl diacylglycerol on liposomes
- L5 ANSWER 17 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Electrostatic and structural properties of complexes involving plasmid DNA and cationic lipids commonly used for gene delivery
- L5 ANSWER 18 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Phospholipid acyl chain rotational dynamics are independent of headgroup structure in unilamellar vesicles containing binary mixtures of **dioleoyl**-phosphatidylcholine and **dioleoyl**-phosphatidylethanolamine
- L5 ANSWER 19 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Effects of cholesterol on membrane surfaces as studied by high-pressure **fluorescence** spectroscopy
- L5 ANSWER 20 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI The role of helper lipids in cationic liposome-mediated gene transfer
- L5 ANSWER 21 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Designing coating agents for inorganic polycrystalline materials
- L5 ANSWER 22 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Crystallization of ammonium nitrate under organized monolayers of various amphiphiles
- L5 ANSWER 23 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Designing coating agents for inorganic polycrystalline materials.
- L5 ANSWER 24 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Crystallization of ammonium nitrate under organized monolayers at air-aqueous interface
- L5 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Modulation of Membrane Fusion by Asymmetric Transbilayer Distributions of

## Amino Lipids

- L5 ANSWER 26 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI **Fluorescence** and Absorption Spectroscopic Properties of Dipyrrrometheneboron Difluoride (BODIPY) Derivatives in Liquids, Lipid Membranes, and Proteins
- L5 ANSWER 27 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Interaction of Recombinant Granulocyte Colony Stimulating Factor with Lipid Membranes: Enhanced Stability of a Water-Soluble Protein after Membrane Insertion
- L5 ANSWER 28 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI The behavior of nitrobenz-2-oxa-1,3-diazol and coumarin dye indicators in lipid monolayers: a study of interfacial effects on polarity and **pH**
- L5 ANSWER 29 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Denaturing interaction between sickle hemoglobin and phosphatidylserine liposomes
- L5 ANSWER 30 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Effects of positively charged lipids on interfacial behavior in spread monolayers: thermodynamic studies with DOCA, a synthetic lipid
- L5 ANSWER 31 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI The effect of high **pH** upon diphtheria toxin conformation and model membrane association: role of partial unfolding
- L5 ANSWER 32 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Amphotericin B and nystatin show different activities on sterol-free vesicles
- L5 ANSWER 33 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Role of cholesterol in the stability of **pH**-sensitive, large unilamellar liposomes prepared by the detergent-dialysis method
- L5 ANSWER 34 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Transmembrane calcium movements mediated by ionomycin and phosphatidate in liposomes with Fura 2 entrapped
- L5 ANSWER 35 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Use of a **fluorescent** radiolabeled triacylglycerol as a substrate for lipoprotein lipase and hepatic triglyceride lipase
- L5 ANSWER 36 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Sodium-potassium ATPase in artificial lipid vesicles: **potential** dependent transport rates investigated by a **fluorescence** method
- L5 ANSWER 37 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI **pH**-dependent stability and fusion of liposomes combining protonatable double-chain amphiphiles with phosphatidylethanolamine
- L5 ANSWER 38 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Pressure dependence of 1,6-diphenyl-1,3,5-hexatriene **fluorescence** in single-component phosphatidylcholine liposomes
- L5 ANSWER 39 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Interaction of liver clathrin coat protein with lipid model membranes
- L5 ANSWER 40 OF 41 CAPLUS COPYRIGHT 2002 ACS  
TI Evidence that reconstituted bovine heart mitochondrial transhydrogenase

functions as a proton pump

L5 ANSWER 41 OF 41 CAPLUS COPYRIGHT 2002 ACS

TI **Fluorescence** of thin chlorophyll membranes in aqueous phase

L Number	Hits	Search Text	DB	Time stamp
1	4	heptadecyl near3 hydroxycoumarin	USPAT; US-PGPUB	2002/04/09 10:47
2	0	(heptadecyl near3 hydroxycoumarin) same compound adj "68"	USPAT; US-PGPUB	2002/04/09 10:47
3	1	(heptadecyl near3 hydroxycoumarin) and compound adj "68"	USPAT; US-PGPUB	2002/04/09 10:48